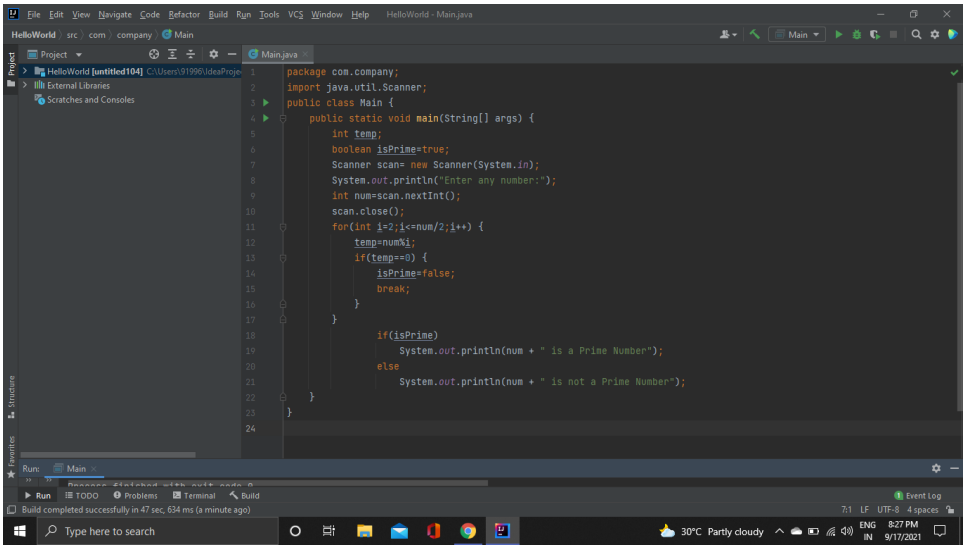
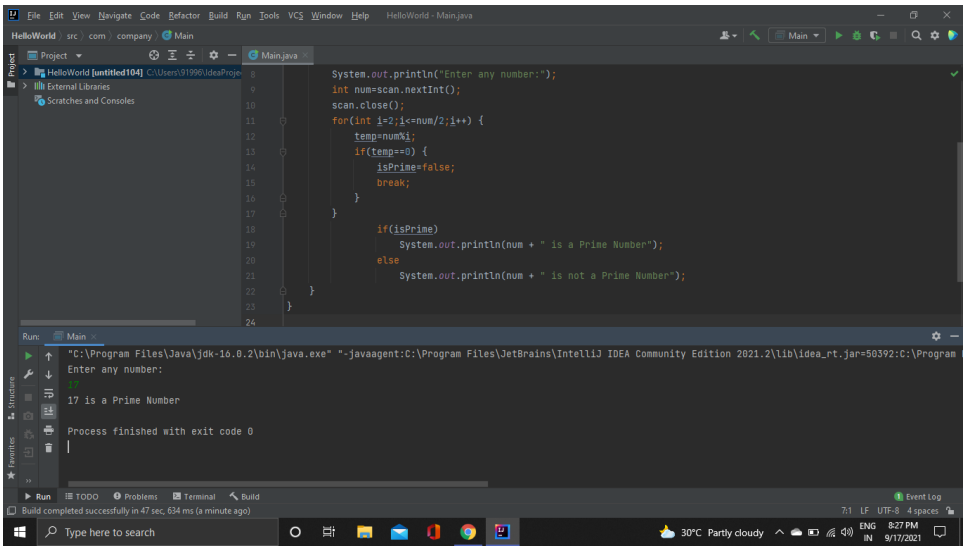
PROGRAM : 1



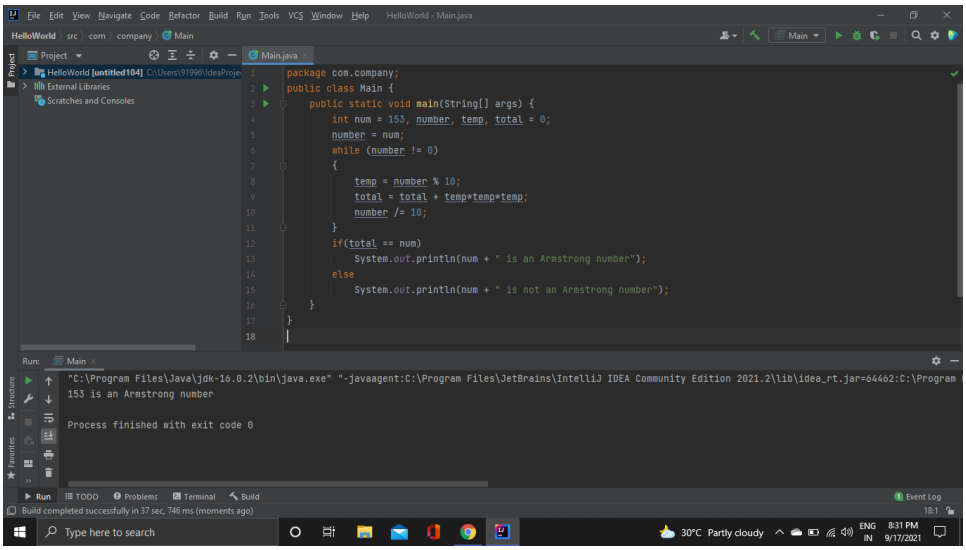
```java
package com.company;
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        int temp;
        boolean isPrime=true;
        Scanner scan= new Scanner(System.in);
        System.out.println("Enter any number:");
        int num=scan.nextInt();
        scan.close();
        for(int i=2;i<=num/2;i++) {
            temp=num%i;
            if(temp==0) {
                isPrime=false;
                break;
            }
        }
            if(isPrime)
                System.out.println(num + " is a Prime Number");
            else
                System.out.println(num + " is not a Prime Number");
    }
}
```



```
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2\lib\idea_rt.jar=50392:C:\Program
Enter any number:
17
17 is a Prime Number

Process finished with exit code 0
```

PROGRAM : 2

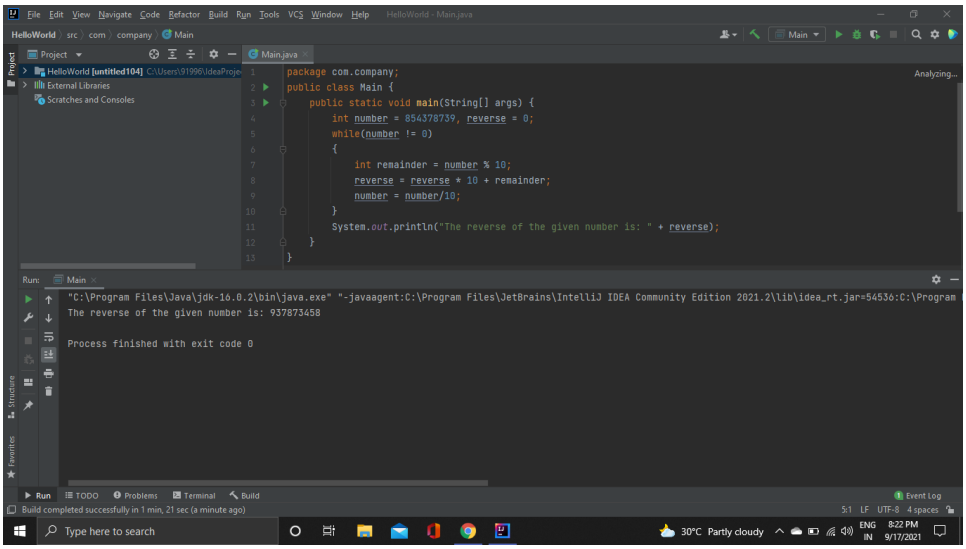


```
package com.company;
public class Main {
    public static void main(String[] args) {
        int num = 153, number, temp, total = 0;
        number = num;
        while (number != 0)
        {
            temp = number % 10;
            total = total + temp*temp*temp;
            number /= 10;
        }
        if(total == num)
            System.out.println(num + " is an Armstrong number");
        else
            System.out.println(num + " is not an Armstrong number");
    }
}
```

```
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2\lib\idea_rt.jar=64462:C:\Program
153 is an Armstrong number

Process finished with exit code 0
```

PROGRAM : 3



```
package com.company;
public class Main {
    public static void main(String[] args) {
        int number = 854378739, reverse = 0;
        while(number != 0)
        {
            int remainder = number % 10;
            reverse = reverse * 10 + remainder;
            number = number/10;
        }
        System.out.println("The reverse of the given number is: " + reverse);
    }
}
```

```
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2\lib\idea_rt.jar=54536:C:\Program
The reverse of the given number is: 937873458

Process finished with exit code 0
```